

# **IN300 PRINTER**

## **OPERATOR'S MANUAL**

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***Solutions in Weighing Technology***



#### **Manufacturer's Declaration of Conformity**

This product has been manufactured in accordance with the harmonised European standards, following the provisions of the below stated directives:

Electro Magnetic Compatibility Directive 89/336/EEC

Low Voltage Directive 73/23/EEC

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#### **FCC COMPLIANCE**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. The equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Shielded interconnect cables must be employed with this equipment to insure compliance with the pertinent RF emission limits governing this device.

Changes or modifications not expressly approved by Inscale could void the user's authority to operate the equipment.

## **IN300 PRINTER**

The IN300 Printer is a general purpose thermo tally roll printer specifically designed to work with the Inscale series of balances.

Some models have a optional time and date function. This function will allow the printout to include time and date information when the balance time/date function is enabled.

The printer comes preset to work with the default RS-232 interface found on the Inscale balances but can easily be changed to work on other equipment. The printer is easy to use with only an On/Off switch and a paper feed button.

## SPECIFICATIONS

Power Supply            8.5 to 14VDC or 7 to 10VAC from module  
                          15 Watts when printing  
                          3 Watts when idle

Mains Supply            As required  
                          230VAC 50/60Hz  
                          (UK or European)  
  
                          115VAC 50/60Hz USA

Environment            5 to 35°C  
                          10 to 80% humidity,  
                          non-condensing

On printers with optional date/time function  
    ESC T yvmmddhhnn  
        yy= year  
        mm= month  
        dd= date  
        hh= hour  
        nn= minute

For example to enter 12 April 1999, time =14:15 send  
    ESC T 99h 04h 12h 14h 15h =1B 54 99 04 12 14 15 hex

To set the time and date the printer must be connected to a PC or terminal.

A Windows program to set the data and time is available from Inscale.  
Contact us for more information.

## **SELF TEST**

Press and hold the Paper Feed button down when power is turned on, then release the button. The printer will print the current settings and a description of all set up key functions.

## **INTERFACE**

Printer  
5 pin DIN connector.

Inscale Balances  
9 Pin D-Subminiature Socket

Pin 1	RXD	---	Pin 3	Data from Scale
Pin 2	DTR	---	Pin 1	Not used by scales
Pin 3	GND	---	Pin 5	Signal ground
Pin 4	nu			
Pin 5	TXD	---	Pin 2	Date to scale

In addition on early models of ADA and all ADP and ADG units

Pin 7	Connected to Pin 8
Pin 4	Connected to Pin 6

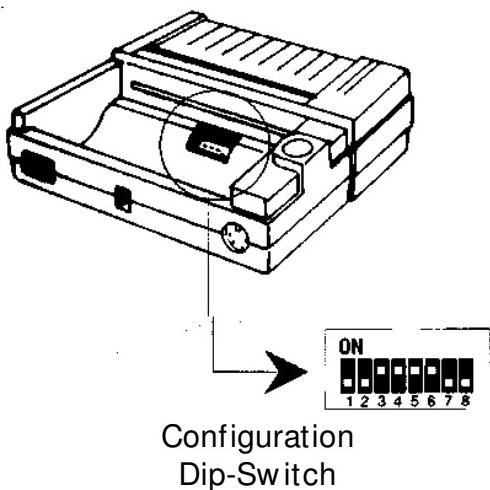
## CONTROL CODES

LF	0Ah	Line feed
CR	0Dh	Carriage Return
SO	0Eh	Double Strike Mode
DC4	14h	Double Strike Mode Cancel
CAN	18h	Clear Buffer
ESC A n	1Bh 41h n	Line spacing in n/72 inch
ESC 2	1Bh 32h	1/6 inch line spacing
ESC 0	1Bh 30h	1/8 inch line spacing
ESC 4	1Bh 34h	40 characters/ line (normal)
ESC 8	1Bh 38h	80 characters/ line (extended)

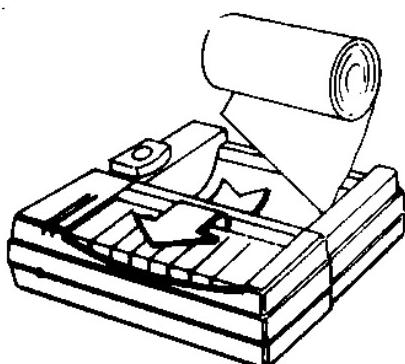
Printer	Dot matrix Thermo printer Bi-directional printing 0.75 lines per second 40 or 80 characters per line
Paper	112mm thermo paper PH65 or HONSHU Standard 20 meter roll
Size	60 x 180 x 150mm 0.6kg
Interface	RS-232 or RS-242 (TTL) 5 pin DIN Connector 1200, 2400, 4800 or 9600 baud 8 bit or 7 bit With or without parity

## PAPER LOADING

See diagram. Cut paper at angle and feed into slot from rear. Press and hold the Paper Feed button until the paper passes through the printer. Do not pull paper or force through the slot. If the paper does not feed easily check you are using the paper entry slot and there are no obstructions in the paper path.



Paper Loading  
Note direction of paper roll



# CONFIGURATION

The printer is set with the dip-switches under the paper roll. The default settings are:

4800 baud

8 bit

no parity

40 column

CR only

To reset the switches turn the printer off. Set the switches as desired and then turn the printer the printer on.

	1200	2400	4800	9600 baud
SW1	on	off	on	off
SW2	on	on	off	off
SW3	on	8 bit data		
	Off	7 bit data		
SW4	on	Parity enabled		
	Off	parity ignored		
SW5	on	parity even		
	Off	parity odd		
SW6	on	80 column		
	Off	40 column		
SW7	on	CR prints CR only		
	Off	CR prints CR +LF		
SW8	on	2 column, double ticket		
	Off	1 column, normal printing		



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material.

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(see below)

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